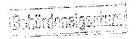
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Offenlegungsschrift

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■ Unionspriorität:

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Bezeichnung: Verfahren zum wirtschaftlichen Verwerten der bei der Kultur von

Dattelpalmen als Abfall anfallenden Robstoffe

Anmeider: Ezzat, Sami, Dr.-ing. 6100 Darmstadt; Kessemeier, Heinz, 2830 Bassum

The Erfinder: gleich Anmelder

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WEEK:

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TITLE: Utilisation of waste by cooking with ammonium polysulphide to recover cellulose, and treatment

of the waste liquor for fertiliser (and fodder) mfr

Basic Abstract Text - ABTX (1):

Process for economic utilisation of raw materials, ie. palm leaves and peticles, produced as waste during cultivation of (Phoenix dactylifera) comprises (i) decomposing with an NH4 polysuiphide to prepare cellulose (ii) then (ii) separating (i) from the waste liquor and conventionally washing, grinding and drying. The waste liquor is then (a) adjusted to pH 6-7 to recover an N-lignin residue (ii) which is dried or (b) after pH adjustment inoculated with yeast, fermented, then sepd, into a yeast-contg, fraction (iii) and a residue (ii). The cellulose can be bleached to make white paper or (if made from leaves) used to make kraft and corrugated paper. (ii) is useful as a fertilizer, and (iii) is useful as cattle fodder. Delignification is rapid and the NH3-recycle system requires no extra investment.

Title - TIX (1):

Utilisation of waste by cooking with ammonium polysulphide to recover cellulose, and treatment of the waste iquor for fertiliser (and fodder) mfr

Standard Title Terms - TTX (1):

UTILISE WASTE COOK AMMONIUM POLYSULPHIDE RECOVER CELLULOSE TREAT LIQUOR FERTILISER FODDER.
MANUFACTURE